

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named		
Inventor :	William R. Priedeman, Jr.	
Appln. No.:	10/511,784	Confirmation No.: 4209
Filed :	October 15, 2004	Group Art Unit: 1791
For :	Smoothing Method For Layered Deposition Modeling	Examiner: John L. Goff II
Docket No.:	S697.12-0065	

DECLARATION OF FRANCISCO MEDINA UNDER C.F.R. § 1.132

Commissioner For Patents
P.O. Box 1450
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*FILED ELECTRONICALLY ON
MARCH 27, 2009*

The enclosed Declaration letter from Francisco Medina, signed pursuant to 35 U.S.C. § 1001, is submitted under C.F.R. § 1.132 in support of the supplemental amendment filed herewith.

Respectfully submitted,

WESTMAN, CHAMPLIN & KELLY, P.A.

By: /Brian R. Morrison/

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March 25th, 2009

Brian Morrison

Westman, Champlin and Kelly

Mr. Morrison,

My name is Francisco Medina I am the Center Manager of the W.M Keck center of 3D Innovation at the University of Texas at El Paso (UTEP). I received my B.S. Mechanical Engineering in May of 2000 and a M.S. in December of 2005 from UTEP and I am currently pursuing a MBA with focus on Finance. I have been involved in the Rapid Prototyping (RP) and Rapid Manufacturing (RM) area since 2001 when the University acquired its first FDM 3000. I hold a Rapid Technologies and Additive Manufacturing (RTAM) Masters level certificate from the Society of Manufacturing Engineers (SME) since May 2006. My work in the Rapid Prototyping area has been published in different journals and conference proceedings including the Solid Free-Form Fabrication Symposium, the Stratasys Users' Group Conference, and the SME Rapid Prototyping & Manufacturing Conference, obtaining different awards such as the 1st Place at the Stratasys Users Group Conference Part Competition, with the entry entitled "Rapid Manufacturing of an Airplane Window Shade," (2007 Stratasys Users Group Meeting, Charlotte, NC, September 3-5, 2007), and the 1st Place at the 3D Systems Users Group Advanced Concepts Technical Competition, with an entry entitled "Multi-Material Stereolithography," (2007 3D Systems Users Group Conference, Daytona Beach, FL, March 18-22, 2007). Additionally I have been recognized by Emerald Group Publishing as Outstanding Paper and received the Emerald Literati Network Awards for Excellence 2007 and awarded the 2004 Dick Aubin Distinguished Paper Award for the 2004 Rapid Prototyping and Manufacturing Conference (selected by Rapid Technologies and Additive Manufacturing Committee of the Society of Manufacturing Engineers)

My relationship with Stratasys goes back to 2001, I have participated in the Stratasys Users Group Meetings, I have provided assistance in finding new applications for FDM technologies, and I often collaborate with their Applications Engineering Department in different projects. In the past, I have prepared and given presentations for their Sales Kick-off Meetings, and I have presented informative sessions in other Rapid Prototyping technologies to their Sales force. Currently I am assisting their Applications Engineering Group, and I am a beta account user on the new vapor smoothing technology. As 3D parts manufactured with RP/RM technologies have surface effects across the entire exterior surface of the part, due to the layered nature of RP/RM technologies, the vapor smoothing process reduces these surface effects. Surface effects such as stair stepping along curved or sloped surfaces and striations or roads along vertical or horizontal surfaces, are improved through vapor smoothing as the process smoothes the entire exposed area. Furthermore, as RP/RM parts have an intrinsic porosity, the vapor smoothing process exhibits potential to seal the exposed area with progressive vapor exposures ultimately creating water-tight 3D parts that can withstand pressure buildup. As a beta user, I understand that the vapor smoothing technology is being patented and I have no financial interest in the outcome of this patent.

If you need further information, please do not hesitate to contact me.

"I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon."



Francisco Medina